

***Amendments to the Claims:***

Please amend the claims as set forth below.

**Patent claims**

1. (Currently Amended) Headlamp for vehicles ~~with~~ comprising:  
at least one planar luminous panel having a plurality of luminous-element chips;  
~~and with~~ an optical element arranged in the beam path of the light beam emitted  
by the luminous panel; ~~characterised in that~~  
the luminous-element chips (4) of the luminous panel (3, 21, 31) are being  
arranged in a common recess (5); ~~and in that~~  
the recess (5) being on one side facing in the direction of light emission (8);  
has an edge (9, 25, 32), ~~in such a way~~ the edge being in a spatial arrangement to  
the luminous-element chips (4) such that a predetermined luminance gradient (G, G', G'')  
in a light distribution (L) of the headlamp is formed in the region of the edges (9, 25, 32).
2. (Currently Amended) Headlamp according to claim 1, ~~characterised in that~~ wherein the recess (5) is trough-shaped with an edge wall (7, 7', 7'') which runs  
perpendicularly to the direction of light emission (8) of the luminous panel (3) and stands  
up from a bottom side (6) of the recess (5) and on whose side facing away from the  
bottom side (6) runs the edge (9).
3. (Currently Amended) Headlamp according to claim 1 ~~or 2, characterised in that~~ wherein the edge (9) runs peripherally in a plane which is oriented perpendicularly  
to the main direction of emission of the luminous panel (3).
4. (Currently Amended) Headlamp according to ~~any of~~ claims 1 wherein ~~to~~  
3, ~~characterised in that~~ the shape of the edge wall (7, 7') and/or edge (9) is such that, in  
combination with the optical element (2, 23, 34) mounted in front, a predetermined  
luminance distribution is produced.

5. (Currently Amended) Headlamp according to ~~any of claims 1 to 4,~~  
~~characterised in that~~ wherein the edge wall (7, 7') and/or the edge (9) of the recess (5) has  
a rectangular or triangular or circle segment shape in a top view, and in that the edge (32,  
32') has a break (33) for forming an asymmetrical light/dark boundary (LDB).

6. (Currently Amended) Headlamp according to ~~any of claims 1 to 5,~~  
~~characterised in that~~ wherein several light-emitting diode chips (4) are arranged directly  
adjoining at least the edge wall (7, 7') comprising the edge (9) which produces the  
light/dark boundary (LDB).

7. (Currently Amended) Headlamp according to ~~any of claims 1 to 6,~~  
~~characterised in that~~ wherein the recess (5) is filled with a light-converting luminescent  
material, such that the light emitted by the luminous-element chips (4) is converted to  
white light.

8. (Currently Amended) Headlamp according to ~~any of claims 1 to 7,~~  
~~characterised in that~~ wherein the light-converting luminescent material is integrated in a  
cast material which covers the recess (5).

9. (Currently Amended) Headlamp according to ~~any of claims 1 to 8,~~  
~~characterised in that~~ wherein the bottom side (6) of the recess (5) is reflectively coated.

10. (Currently Amended) Headlamp according to ~~any of claims 1 to 9,~~  
~~characterised in that~~ wherein the luminous panel (3) is integrated in a luminous plate (1),  
the recess (5) being set in a front side (10) of the luminous plate (1) running  
perpendicularly to the direction of light emission (8).